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US EPA RECORDS CENTER REGION 5



400877

October 2, 2009

Ms. Theresa Holz
On-Scene Coordinator
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard, Mail Code: SE-5J
Chicago, Illinois 60604-3507

Re: Matthiessen and Hegeler (M&H) Zinc Site Removal Action
LaSalle, LaSalle County, Illinois
Technical Direction Document No.: S05-0001-0908-009
Document Control No.: 729-2A-AESQ
Identification No.: B568
Work Order No.: 20405.012.001.0729.00

Dear Ms. Holz:

The United States Environmental Protection Agency (U.S. EPA) tasked the Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team (START) to provide oversight of removal activities at the Matthiessen and Hegeler (M&H) Zinc Site in LaSalle, LaSalle County, Illinois (the Site). Under Technical Direction Document (TDD) No. S05-0001-0908-009, U.S. EPA tasked WESTON START to

- Perform general project oversight;
- Conduct air sampling activities;
- Collect written and photographic documentation; and
- Track disposition of the waste generated during the removal activities.

On August 26, 2009, U.S. EPA, WESTON START, and the Emergency and Rapid Response Services (ERRS) contractor, Environmental Restoration, LLC (ER), conducted a site walk-through. Removal activities were conducted from September 8 through 12, 2009. Table 1 of Attachment A lists the agencies and organizations involved in the response.

This letter report discusses the site description, site background, removal actions, disposition of waste, the effectiveness of removal activities, difficulties encountered, and conclusions and recommendations. In addition, this letter report has five attachments. Attachment A provides the tables for this report; Attachment B provides the figures; Attachment C provides analytical results for sampling conducted on August 26, 2009; Attachment D provides a photographic log

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of the removal activities and Site conditions; and Attachment E provides analytical results for perimeter and personal air sampling conducted during the removal activities.

SITE DESCRIPTION

The Site is located at 1256 Sterling Street in LaSalle, LaSalle County, Illinois (Figure 1 in Attachment B). The Site occupies approximately 160 acres that contain inactive primary zinc smelting operations and associated abandoned buildings, a rolling mill, and the active Carus Chemical Company property (Figure 2 in Attachment B). As discussed in more detail under "Site Background," the Site has been divided into two operable units (OU), OU1 and OU2.

The Site is bounded by the Little Vermilion River to the north and east and by private residences to the south and west. Tracts of farmland and a limestone quarry are located across the Little Vermilion River north and east of the Site, respectively. The City of LaSalle obtains its drinking water from a cluster of four municipal wells, the nearest of which is approximately $\frac{3}{4}$ mile south of the Site. An abandoned sewer line that runs across the Site transports surface water runoff directly into the Little Vermilion River. A wetland is located approximately $\frac{1}{2}$ mile upstream (north) from the Site, and the Illinois River is located approximately 1 mile downstream (south) from the Site.

SITE BACKGROUND

Site operations began in 1858, when raw materials such as zinc ore and various grades of coal were transported to the Site for zinc smelting. A rolling mill was constructed at the Site in 1866 to produce zinc sheets, a process that included a furnace that used producer gas as fuel. Any sulfur dioxide generated was recovered and converted into sulfuric acid and stored in on-site tanks. The Site also contained an ammonium sulfate fertilizer plant that operated for a few years during the early 1950s. Coal mining occurred at the Site until 1937, and two mining shafts (one vertical and one horizontal) currently remain on site. Zinc smelting ceased in 1961, and sulfuric acid manufacturing halted in 1968. From 1968 to 1978, when bankruptcy was declared, only rolling mill operations were conducted at the Site. In 1980, Fred and Cynthia Carus purchased a 12-acre tract containing the rolling mill and operated the LaSalle Rolling Mills.

The LaSalle Rolling Mills worked under contract with the United States Mint to generate metal blanks for pennies and operated until 2000, when bankruptcy was declared. In 2003, U.S. EPA conducted an emergency removal action at the LaSalle Rolling Mills to address cyanide contamination, old plating line waste, and various other chemicals and storage tanks that remained after the rolling mill closure. This removal action is complete. The Carus Chemical Company property is located south of the rolling mills and has been operating since 1915 mainly producing potassium permanganate.



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The Site has been divided into two OUs, OU1 and OU2. As negotiated by a settlement order signed in September 2006, OU1 includes the Carus Chemical Company property, the Little Vermilion River next to the entire Site, and a large slag and sinter waste pile approximately 6 acres in area and 40 to 100 feet deep. OU2 occupies approximately 140 acres and contains the production area of the former zinc smelting and rolling mill processes and the property immediately surrounding this area. Specifically, OU2 includes the former rolling mill building, approximately 150 associated former buildings and structures, a shallow slag and sinter pile that heterogeneously covers the former production area of the Site, several abandoned and closed mine shafts, an undeveloped woodland, and surrounding residential areas.

In 1991, the Site was listed in the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database under CERCLIS Identification (ID) No. IL0000064782 as the Matthiessen and Hegeler Zinc Company. In November 1991, the Illinois Environmental Protection Agency (IEPA) conducted a screening site inspection at the Site under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). In December 1993, IEPA conducted CERCLA integrated assessment sampling at the Site. During these two investigations, IEPA collected several samples from two primary sources of contamination: the 6-acre waste pile located on the Carus Chemical Company property at OU1 and the shallow waste pile composed of sinter and slag heterogeneously deposited throughout the former smelter property at OU2. Five of the samples were collected from the sinter slag cover on OU2. IEPA also observed a release to surface water during the 1993 investigation that was subsequently substantiated by chemical analyses of sediment samples collected from the Little Vermilion River.

The Site was listed on the National Priorities List (NPL) on September 29, 2003. The two primary on-site sources were used to score the site for the NPL. The contaminants discovered at the second source appear to have resulted from the former zinc smelter activities and ancillary operations described above. Runoff from this shallow sinter and slag pile flows into the Little Vermilion River through natural drainage pathways and manmade conduits. In the central portion of OU2 west of an abandoned railroad, a conduit runs from an abandoned pump house to the Little Vermilion River and drainage enters an old abandoned and collapsed storm sewer line that runs east to west across the entire width of OU2.

In 2007, the U.S. EPA conducted a Phase 1 remedial investigation (RI) at the Site. Preliminary RI results indicate ubiquitous metals contamination across the entire Site consisting primarily of arsenic, lead, cadmium, copper, mercury, and zinc in soils, debris piles, building materials, surface water, and groundwater. In addition, debris piles and surface and subsurface soils near Building 100, the rolling mill, and the furnaces contain high concentrations of polychlorinated biphenyls (PCB). Soils and groundwater in the vicinity of the rolling mill at OU2 contain trichloroethene (TCE) contamination. OU2 contains ubiquitous polycyclic aromatic hydrocarbons (PAH). Asbestos has been detected at concentrations as high as 6.5 percent.

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In August 2008, the U.S. EPA Remedial Branch requested assistance from the U.S. EPA Emergency Response Branch (ERB) in assessing abandoned chemicals in a dilapidated laboratory at OU1 and suspected asbestos-containing material (ACM). On August 15, 2008, representatives from the U.S. EPA ERB and Remedial Branch met at the Site to observe the abandoned chemicals and potential ACM. The laboratory containing the abandoned chemicals was in poor condition and posed a threat of release if the building were to collapse. As a result, the U.S. EPA ERB conducted a removal site assessment to address the abandoned chemicals and potential ACM.

During the removal assessment, nine potential ACM samples were collected for total asbestos analysis, two solid waste samples were collected for total metals and toxicity characteristic leaching procedure (TCLP) metals analysis, one solid waste sample was collected for pH analysis, one liquid waste sample was collected for flashpoint analysis, and one oil sample was collected from a manhole containing petroleum product for volatile organic compound (VOC), total petroleum hydrocarbons (TPH), and PCB analysis. The solid and liquid waste samples contained arsenic, cadmium, lead, and zinc at concentrations exceeding their respective U.S. EPA Regional Screening Levels (RSL) and U.S. EPA Site Screening Levels (SSL). Arsenic concentrations ranged from 0.39 to 96 milligrams per kilogram (mg/kg); cadmium concentrations ranged from 70 to 2,000 mg/kg; lead concentrations ranged from 400 to 16,000 mg/kg; and zinc concentrations ranged from 23,000 to 500,000 mg/kg. In addition, the TCLP metals results indicated lead concentrations indicative of characteristic hazardous waste as defined in Title 40 of the *Code of Federal Regulations* (CFR), Part 261. The pH analytical results indicated neutral to alkaline pH and ranged from 6.3 to 9.3 standard units (SU). Asbestos results indicated asbestos at concentrations ranging from 10 to 20 percent. The highest concentration of asbestos was detected in a sample of white material collected from north of Building 1943. VOC analytical results did not indicate the presence of VOCs. TPH analytical results indicated that the oil consisted of carbon heavy oils. PCB analytical results indicated Aroclor 1260 at a concentration of 4.2 mg/kg.

On May 27, 2009, U.S. EPA signed an Action Memorandum to conduct a time-critical removal action at the Site.

REMOVAL ACTIONS

On August 26, 2009, U.S. EPA, WESTON START, and ER conducted a site walk-through. During the site walk-through, WESTON START collected 15 samples of suspected ACM in and around the rolling mill building and laboratory building. Based on results for these samples, it was determined that the following contained asbestos and would require abatement in addition to the ACM identified during the August 2008 site assessment: pipe wrap outside of the rolling mill



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building, floor tile in the laboratory building, and an insulation sheet near an oven in the laboratory building. Attachment C provides the asbestos analytical results for these samples.

On September 8, 2009, U.S. EPA, WESTON START, and ER mobilized to the Site and began removal action preparation activities. Removal action activities were conducted from September 9 through 12, 2009, and consisted of (1) the removal of ACM north of Building 1943, in the laboratory building, and outside of the rolling mill building and (2) demolition of the laboratory building (Figure 3 in Attachment B). Roll-off boxes that remained on site after September 12, 2009, were removed on September 16 and 18, 2009. Also, a new chain-link fence was installed around the old footprint of the demolished laboratory building. The petroleum product in the manhole was not addressed during this removal action. Attachment D provides a photographic log of removal action activities and Site conditions.

Removal action activities conducted on each day are summarized below, followed by a more detailed discussion of removal activity and air sampling details.

September 9, 2009

- ER cleared and grubbed vegetation and debris from the work areas.
- ER constructed access roads to the rolling mill building and to the open field north of Building 1943. Approximately 101.12 tons of gravel was brought on site to construct the access roads.
- ER abated approximately 3 linear feet of asbestos pipe wrap outside of the rolling mill building. ER collected one personal asbestos air sample during the abatement activities.
- ER collected a bulk sample for asbestos analysis of white granular material in a pile in the chemical storage room of the rolling mill building.
- WESTON START conducted asbestos air sampling at four locations (Figure 4a in Attachment B).
- The U.S. EPA Remedial Project Manager (RPM) and representatives from IEPA conducted a site visit.

September 10, 2009

- ER conducted ACM removal activities in the open field north of Building 1943. ER scraped the top 3 inches of soil/debris in a 100-square-foot area.
- ER removed 500 square feet of ACM floor tiles from the laboratory building.
- ER abated approximately 10 linear feet of asbestos pipe wrap outside of the rolling mill building.



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- WESTON START conducted asbestos air sampling at four locations (Figure 4b in Attachment B). Air sampling station 3 was moved from the field location to the laboratory building during the day.
- ER collected three personal asbestos air samples during the abatement, ACM floor tile removal, and ACM removal activities north of Building 1943.

September 11, 2009

- ER began laboratory building demolition activities.
- ER abated approximately 10 linear feet of asbestos pipe wrap outside of the rolling mill building.
- WESTON START conducted asbestos air sampling at four locations (Figure 4c in Attachment B). In addition, total particulates and metals air sampling was conducted at two locations.
- ER collected three personal asbestos air samples during the abatement and laboratory building demolition activities.

September 12, 2009

- ER completed laboratory building demolition activities.
- ER abated approximately 25 linear feet of asbestos pipe wrap outside of the rolling mill building.
- WESTON START conducted asbestos air sampling at four locations. In addition, total particulates and metals air sampling was conducted at two locations (Figure 4d in Attachment B).
- ER collected one personal asbestos air sample during the abatement activities.

Removal Activity Details

Removal activities consisted of ACM removal, building demolition, segregation of building debris, and disposal. All work was performed in Level C personal protective equipment (PPE) except for work performed by heavy equipment operators, who were in enclosed cabs.

The ACM removal outside of the rolling mill building consisted of removing entire pipe sections using cutting tools. The ACM removal inside the laboratory building consisted of removing floor tiles using shovels and scrapers. The ACM and piping sections were placed in plastic bags and secured with duct tape or placed in 55-gallon plastic drums. Approximately 48 linear feet of friable asbestos pipe wrap was abated and disposed of with the construction debris containing friable asbestos. The ACM removal north of Building 1943 consisted of scraping approximately

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the top 3 inches of soil throughout the field, loading the soil into trucks, and transporting the soil off site for disposal.

Building demolition and debris segregation were accomplished using heavy equipment. Operators segregated the construction debris from scrap metal. ER used water hoses to wet the construction debris in order to minimize dust levels. Piles of construction debris were loaded into roll-off boxes and trucks and sent off site for disposal. Scrap metal was left on site. More details regarding waste disposal are presented below under "Disposition of Wastes."

Air Sampling Details

WESTON START conducted perimeter air sampling at four designated locations around the work areas (Figures 4a, 4b, 4c, and 4d in Attachment B). Air samplers ran for 6 to 9 hours on each of the 4 days. Daily perimeter air sampling for asbestos was conducted during the removal of asbestos pipe wrap/insulation and debris north of Building 1943. Daily perimeter air sampling for particulates, metals, and asbestos was conducted during demolition of the laboratory building.

Asbestos sampling and analysis were performed in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400. Asbestos air sampling was conducted using Sensidyne Aircon-2 high-volume air samplers and a cellulose ester membrane sampling medium. Total particulates sampling and analysis were performed in accordance with NIOSH Method 0500. Metals (arsenic, cadmium, lead, and zinc) sampling and analysis were performed in accordance with NIOSH Method 7300. Air sampling was conducted using Sensidyne Aircon-2 high-volume air samplers and a 0.5-micron (μm), pre-weighted, polyvinyl chloride (PVC) filter.

Air sampling results for metals, total particulates, and asbestos were compared to either the Occupational Safety and Health Administration (OSHA) 8-hour time weighted averages (TWA), OSHA Permissible Exposure Limits (PEL), or NIOSH Recommended Exposure Levels (REL), whichever was most restrictive. The table below specifies the exposure limits to which the analytical results were compared.



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Contaminant of Concern	Exposure Limit	Source
Arsenic	0.002 mg/m ³	NIOSH REL
Cadmium	0.005 mg/m ³	OSHA PEL
Lead	0.05 mg/m ³	OSHA PEL
Zinc	5 mg/m ³	NIOSH REL ^a
Total Particulates (respirable fraction)	5 mg/m ³	OSHA PEL
Asbestos	0.1 f/cc	OSHA PEL

Notes:

mg/m³ = Milligram per cubic meter

f/cc = Asbestos fiber (less than 5 µm long) per cubic centimeter

a As stated in the NIOSH Pocket Guide, the exposure limit listed for zinc oxide (zinc is not listed) is for total particulates because zinc particulates are not regulated by OSHA.

All daily perimeter air sampling results for metals, total particulates, and asbestos were either below laboratory detection limits or less than the exposure limits listed above. All ER personal air sampling results for asbestos also were either below laboratory detection limits or less than the exposure limits listed above except for the following sample:

- ER-Personal-Maria collected on September 11, 2009

Attachment E provides the analytical reports for all perimeter and personnel air sampling.

DISPOSITION OF WASTES

Three disposal groups were identified for the Site. Table 2 of Attachment A summarizes the shipping dates, quantities shipped, and disposal facility. The disposal of removal action-related waste streams is summarized below.

- **Construction Debris:** Republic Services, Inc (Republic), transported 209.04 tons of construction debris resulting from laboratory building demolition to the Land Comp Landfill in Ottawa, Illinois.
- **Construction Debris with Friable Asbestos:** Republic transported 8.86 tons of construction debris with friable asbestos resulting from laboratory building demolition to the Land Comp Landfill in Ottawa, Illinois.
- **Soil with Friable Asbestos:** Republic transported 85.91 tons of soil with friable asbestos resulting from the field north of Building 1943 to the Land Comp Landfill in Ottawa, Illinois.



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EFFECTIVENESS OF REMOVAL ACTIVITIES

Actions Taken by State and Local Forces: IEPA provided assistance to the U.S. EPA during site assessment activities and provided Site background information. IEPA was kept informed of the removal activities.

Actions Taken by Federal Agencies and Special Teams: The U.S. EPA was responsible for the removal activities conducted at the Site and was supported by its contractors, WESTON START and ER. WESTON START provided technical support to U.S. EPA during the removal activities. This technical support included

- General and health and safety oversight;
- Perimeter air sampling;
- Written and photographic documentation of all site activities;
- Waste disposition tracking;
- Subcontracting of laboratory services for the analysis of air samples; and
- Oversight of the development and review of final deliverable documents.

ER performed the removal activities at the Site, which included

- Mobilization of Site support items (field trailer and generator);
- Debris and trash removal;
- Laboratory building demolition;
- Asbestos abatement;
- Waste consolidation;
- Transportation and disposal coordination for the wastes; and
- ERRS-related cost tracking.

DIFFICULTIES ENCOUNTERED

No difficulties were encountered during the removal activities described in this report.

CONCLUSIONS AND RECOMMENDATIONS

Site removal activities were conducted from September 9 through 12, 2009. The removal activities consisted of (1) the removal of ACM on the ground north of Building 1943, in the laboratory building, and on pipes outside of the rolling mill building and (2) demolition of the



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laboratory building. Approximately 48 linear feet of asbestos pipe wrap was abated. A total of 209.04 tons of construction debris, 8.86 tons of construction debris with friable asbestos, and 85.91 tons of soil with friable asbestos were removed and disposed of off site. Based on the removal activities performed, the laboratory building and asbestos abated during the removal action at the Site no longer pose an imminent or substantial threat to human health, human welfare, or the environment.

This letter report serves as the final TDD deliverable for the M&H Zinc Site Removal Action. All tasks pertaining to this TDD have been completed. If you have any questions or comments regarding this report, please contact me at (312) 424-3300.

Very truly yours,
Weston Solutions, Inc.

A handwritten signature in black ink, appearing to read "Trena Seilheimer".

Trena J. Seilheimer
WESTON START Project Geoscientist

A handwritten signature in black ink, appearing to read "Lisa Graczyk".

Lisa Graczyk
WESTON START Project Manager

Attachments:

- A - Tables
- B - Figures
- C - Analytical Results for Sampling on August 26, 2009
- D - Photographic Log
- E - Analytical Results for Perimeter and Personal Air Sampling

cc: WESTON START DCN File

ATTACHMENT A
TABLES

Table 1
Organization of the Response
Matthiessen and Hegeler Zinc Site
LaSalle, LaSalle County, Illinois

Agency or Organization	Contact	Description of Participation
U.S. EPA - Region V Division of Superfund Emergency Response Branch 77 West Jackson Boulevard Chicago, IL 60604 (312) 886-6845	Theresa Holz	Federal OSC responsible for overall project oversight and success
Weston Solutions, Inc. 20 North Wacker Drive, Suite 1210 Chicago, IL 60606 (312) 424-3300	Lisa Graczyk	WESTON START project manager responsible for removal oversight support, documentation, air monitoring, sampling, and WESTON START-related cost-tracking
Environmental Restoration, LLC 1666 Fabick Drive St. Louis, MO 63026 (636) 680-2441	Mitchell Hunt	Response manager responsible for direction of daily ERRS activity; provides personnel and equipment necessary for removal and coordinates transportation and disposal of waste streams; also tracks ERRS-related costs
U.S. EPA - Region V Division of Superfund Remedial Branch 77 West Jackson Boulevard Chicago, IL 60604 (312) 886-6845	Demaree Collier	RPM that requested assistance from U.S. EPA Emergency Response Branch
Illinois Environmental Protection Agency 12 Gunia Drive, Suite 2 LaSalle, IL 61301 (815) 223-9874 (815) 2223-1714	Dennis Hancock Tom Williams	IEPA project managers who participated in initial Site assessment before initiation of U.S. EPA response

Notes:

ERRS - Emergency and Rapid Response Services

IEPA - Illinois Environmental Protection Agency

OSC - On-Scene Coordinator

RPM - Remedial Project Manager

START - Superfund Technical Assessment and Response Team

U.S. EPA - United States Environmental Protection Agency

WESTON - Weston Solutions, Inc.

Table 2
Waste Disposal Summary
Matthiessen and Hegeler Zinc Site
LaSalle, LaSalle County, Illinois

Waste Category	Quantity (ton)	Date Shipped	Manifest No.	Transporter Name/Number	Disposal Method	Disposal Facility, Location
Soil with friable asbestos - Non-Hazardous	14.34	9/10/2009	1	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	14.57	9/10/2009	2	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	21.29	9/10/2009	3	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	16.55	9/10/2009	4	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	19.16	9/10/2009	5	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
Construction Debris - Non-Hazardous	14.87	9/11/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	16.27	9/11/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	13.76	9/11/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	21.33	9/11/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	17.11	9/11/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	13.71	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	15.43	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	9.48	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	17.75	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	9.77	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	13.68	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	18.69	9/12/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	13.2	9/16/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
	13.99	9/18/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
Construction Debris with friable asbestos - Non-Hazardous	8.86	9/18/2009	--	Republic Services, Inc.	Landfill	Land Comp Landfill, Ottawa, IL
Total:	85.91	Soil with Friable Asbestos - Non-Hazardous				
Total:	209.04	Construction Debris - Non-Hazardous				
Total:	8.86	Construction Debris with friable asbestos - Non-Hazardous				

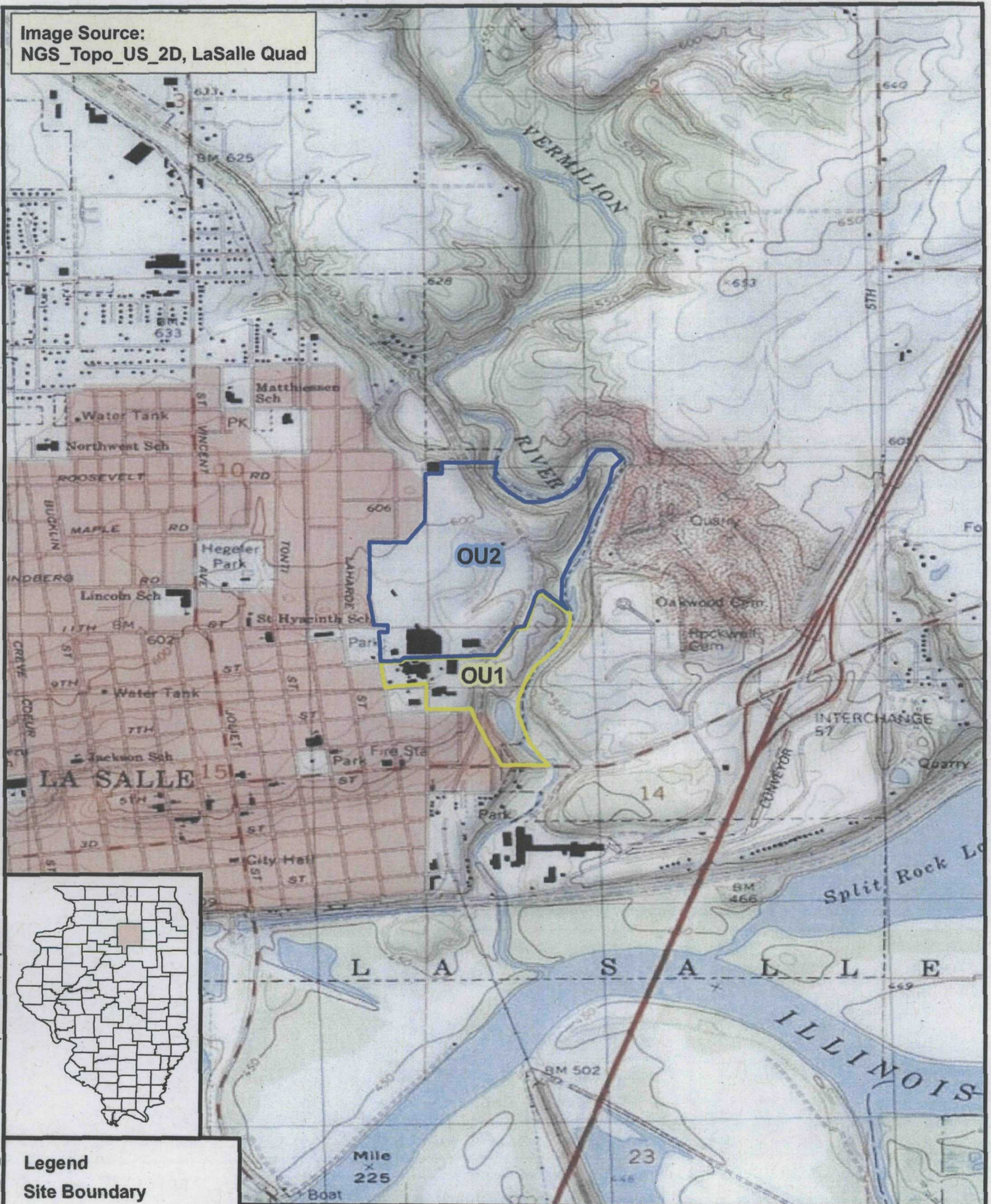
Note:

--" = Not applicable

ATTACHMENT B

FIGURES

Image Source:
NGS_Topo_US_2D, LaSalle Quad



Legend

Site Boundary

— OU1
— OU2

0 2,000
Feet



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U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD: S05-0001-0908-009
DCN: 729-2A-AESQ



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750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061

Figure 1

Site Location Map
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois



Legend

Site Boundary

— OU1 — OU2

0 800
Feet



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Figure 2

Site Features Map
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

Imagery Source:
2008-07-01, DigitalGlobe

Areas Containing Asbestos
Wrapped/Insulated Pipes

Open Area
Littered With
Asbestos

Laboratory Building

Legend

0 200
Feet



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Figure 3
Removal Areas
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

Imagery Source:
2008-07-01, DigitalGlobe



Legend

● Sampling Locations
All locations = asbestos analysis

0 200
Feet



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Figure 4a
Air Sampling Station Locations for
Removal Action (9-9-09)
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

Imagery Source:
2008-07-01, DigitalGlobe

Areas Containing Asbestos
Wrapped/Insulated Pipes

Open Area
Littered With
Asbestos

Rolling Mill
Building

Building 1943

Laboratory Building

Legend

● Sampling Locations
All locations = asbestos analysis

Location 3 moved from
Building 1943 to Lab Building

0 200
Feet



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Figure 4b

Air Sampling Station Locations for
Removal Action (9-10-09)
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

Imagery Source:
2008-07-01, DigitalGlobe



Legend

- Sampling Locations
- Locations 1-2 = asbestos analysis
Locations 3-4 = asbestos & metals/particulates analysis
- 0 200 Feet



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Figure 4c
Air Sampling Station Locations for
Removal Action (9-11-09)
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

Imagery Source:
2008-07-01, DigitalGlobe



Legend

- Sampling Locations

Locations 1-2 = asbestos analysis
Locations 3-4 = asbestos & metals/particulates analysis

0 200
Feet



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Figure 4d

Air Sampling Station Locations for
Removal Action (9-12-09)
M & H Zinc Site Removal Action
LaSalle, LaSalle County, Illinois

ATTACHMENT C
ANALYTICAL RESULTS FOR SAMPLING ON AUGUST 26, 2009

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
Phone: (312) 424-3300
Fax: (312) 424-3330

Reference: PO#0068086
Location: M & H Zinc LaSalle, IL
Batch No.: 285556
Customer No.: 1324

Date Received: 08/27/2009
Date Analyzed: 08/27/2009
Date Reported: 08/27/2009
Turn Around Time: 24 Hour

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
285556001	MH-ASB1-082609	Amosite 5-10%	Binder 90-95%
285556002	MH-ASB2-082609	ND	Binder 99-100%
285556003	MH-ASB3-082609	ND	Binder 90-95% Other 5-10%
285556004	MH-ASB4-082609	ND	Binder 90-95% Other 5-10%
285556005	MH-ASB5-082609	ND	Binder 99-100%
285556006	MH-ASB6-082609	ND	Cellulose 95-99% Binder 1-5%
285556007	MH-ASB7-082609	ND	Cellulose 95-99% Binder 1-5%
285556008	MH-ASB8-082609	ND	Cellulose 95-99% Binder 1-5%
285556009	MH-ASB9-082609	ND	Binder 90-95% Other 5-10%
285556010	MH-ASB10-082609	ND	Binder 90-95% Other 5-10%
285556011	MH-ASB11-082609	ND	Binder 90-95% Other 5-10%
285556012	MH-ASB12-082609	Chrysotile 5-10%	Binder 90-95%

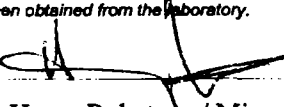
ND - Asbestos Not Detected (Not Present) NA - Not Analyzed NS - Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Analyzed by Name :


Henry Robateau / Microscopist

Date: 08/27/2009

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

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Customer No.: 1324

Date Received: 08/27/2009
Date Analyzed: 08/27/2009
Date Reported: 08/27/2009
Turn Around Time: 24 Hour

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
285556013	MH-ASB12M-082609	Chrysotile 1-5%	Binder 95-99%
285556014	MH-ASB13-082609	Chrysotile 5-10%	Binder 90-95%
285556015	MH-ASB13M-082609	Chrysotile 1-5%	Binder 95-99%
285556016	MH-ASB14-082609	Chrysotile 5-10%	Binder 90-95%
285556017	MH-ASB14M-082609	Chrysotile 1-5%	Binder 95-99%
285556018	MH-ASB15-082609	Chrysotile 10-15%	Binder 85-90%

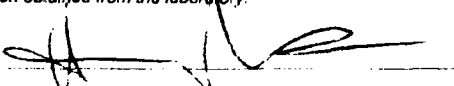
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name :


Henry Robateau / Microscopist

Date: 08/27/2009



Analysis Corporation

2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo@STATAnalysis.com AIHA, NELAP and NELAP accredited

CHAIN OF CUSTODY RECORD

No: 818627

Page: of

Company: <u>Winston Solutions</u>								P.O. No.:	
Project Number: <u>20465-016-001-6731-00</u> Client Tracking No.:								Quote No.:	
Project Name: <u>Mt. Air</u>								<div style="transform: rotate(-45deg); border: 1px solid black; padding: 5px;"> Asbestos by PCM (MTH) </div>	
Project Location: <u>La Salle IL</u>									
Sampler(s): <u>Daye Wojcik</u>									
Report To: <u>Lisa Graczyk</u> Phone: <u>312-424-3339</u>									
Fax: _____									
QC Level: 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> e-mail: <u>lgraczyk@dynamac.com</u>								Turn Around: <u>24-hour</u>	
Client Sample Number/Description:								Results Needed: <u>11/27/09</u> any/m	
Date Taken	Time Taken	Matrix	Comp	Grab	Preserv.	No. of Containers	Remarks	Lab No.:	
MH-ASB1-082609	8-21-09 1125	Ru/K	X			1			
MH-ASB2-082609	1126								
MH-ASB3-082609	1127								
MH-ASB4-082609	1127								
MH-ASB5-082609	1129								
MH-ASB6-082609	1132								
MH-ASB7-082609	1132								
MH-ASB8-082609	1132								
MH-ASB9-082609	1133								
MH-ASB10-082609	1133								
MH-ASB11-082609	1133								
MH-ASB12-082609	1134								
MH-ASB13-082609	1134								
MH-ASB14-082609	1134								
MH-ASB15-082609	1147								
Relinquished by: (Signature) <u>D. H. H. 27/09</u> Date/Time: <u>6:30 AM</u>								Comments: Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035 EnCore G = Other	
Received by: (Signature) <u>K. R. B. 8/27/09</u> Date/Time: <u>8 AM</u>									
Relinquished by: (Signature) _____ Date/Time: _____									
Received by: (Signature) _____ Date/Time: _____									
Relinquished by: (Signature) _____ Date/Time: _____									
Received by: (Signature) _____ Date/Time: _____								Laboratory Work Order No.: <u>285556</u> Received on Ice: Yes <input type="checkbox"/> No <input type="checkbox"/> Temperature: _____ °C	

STAT ANALYSIS CORPORATION

PLM Analysis Logbook Henry

Logbook 135-0066

Stat Batch & Sample #	Date	Stereo Microscope % asb	asbestos optical properties	morphology of material			Polarized microscopy of fibrous material						Sign of elongation	Analytical Results	
				No. of layers	Color	Shape	Shape	Ext. angle	Birefringence Qual.	Quan.	Ref. indices	Color & Pleochromism		% type of asbestos	% non- asbestos
285556 1-1	11/16/64	10%	straight	1 2 3 Other	low	mic ston lamin Jus	straight	0°	weak	0.23	1.570 1.562 γ α	None	+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
1-2				1 2 3 Other	low	parallel					1.570 1.562 γ α		+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
1-3				1 2 3 Other	low	lens					1.570 1.562 γ α		+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
1-4				1 2 3 Other	low	lens					1.570 1.562 γ α		+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
1-5				1 2 3 Other	low	lens					1.570 1.562 γ α		+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
1-6				1 2 3 Other	low	lens					1.570 1.562 γ α		+	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other

STAT ANALYSIS CORPORATION

PLM Analysis Logbook Henry

Logbook 135-0066

Stat Batch & Sample #	Date	Stereo Microscope % asb	asbestos optical properties	morphology of material			Polarized microscopy of fibrous material					Sign of elongation	Analytical Results	
				No. of layers	Color	Shape	Shape	Ext. angle	Birefringence Qual.	Quan.	Ref. indices	Color & Pleochroism	% type of asbestos	% non- asbestos
25556 62	8/2/64			1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. 0.5-4.0 Binder 1-5 Filler Glass Other
25557				1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. 0.5-4.0 Binder 1-5 Filler Glass Other
25558				1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder 0.0-0.5 Filler Glass Other 5-10
25559				1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder 0.0-0.5 Filler Glass Other 5-10
25560				1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder 0.0-0.5 Filler Glass Other 5-10
25561				1 2 3 Other	BH	Wb					 - γ α		Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder 0.0-0.5 Filler Glass Other 5-10
25562				1 2 3 Other	Q464	Pr	Wb	0	low	0.05	1.58 - 1.55 γ α	MMF	Chry. 5-10 Amos. Croco. Tremo. Antho	MMF Cell. Binder 0.0-0.5 Filler Glass Other

STAT ANALYSIS CORPORATION

PLM Analysis Logbook Henry

Logbook 135-0066

Stat Batch & Sample #	Date	Stereo Microscope % asb	asbestos optical properties	morphology of material		Polarized microscopy of fibrous material						Sign of elongation	Analytical Results	
				No. of layers	Color	Shape	Shape	Ext. angle	Birefringence Qual. Quan.	Ref. indices	Color & Pleochromism		% type of asbestos	% non- asbestos
25556- 013	8/21/65			1 2 3 Other	Br	FT	WJ	0°	low 0.07	1.55 1.54 γ α	N/A	+	Chry. 1.5 Amos. Croco. Tremo. Antho	MMF Cell. Binder 95.45 Filler Glass Other
-014				1 2 3 Other	Br/Gr	FT	WJ	0°	low 0.02	1.52 1.55 γ α	N/A	+	Chry. 5.00 Amos. Croco. Tremo. Antho	MMF Cell. Binder 100% Filler Glass Other
-015				1 2 3 Other	Br	FT-M	WJ	0°	low 0.02	1.55 1.53 γ α	N/A	+	Chry. 1.5 Amos. Croco. Tremo. Antho	MMF Cell. Binder 95.45 Filler Glass Other
-016				1 2 3 Other	Gr/Gr	FT	WJ	0°	low 0.04	1.56 1.52 γ α	N/A	+	Chry. 5.00 Amos. Croco. Tremo. Antho	MMF Cell. Binder 90.00 Filler Glass Other
-017				1 2 3 Other	Br	FT-M	WJ	0°	low 0.02	1.55 1.53 γ α	N/A	+	Chry. 1.5 Amos. Croco. Tremo. Antho	MMF Cell. Binder 95.45 Filler Glass Other
-018				1 2 3 Other	Gr	FT-M	WJ	0°	low 0.02	1.56 1.54 γ α	N/A	+	Chry. 10.15 Amos. Croco. Tremo. Antho	MMF Cell. Binder 95.40 Filler Glass Other

POLARIZED LIGHT MICROSCOPE: DAILY CHECKLIST

Date	8/16/19	8/17/19	8/18/19	8/19/19	8/20/19	8/21/19	8/22/19	8/23/19	8/24/19	8/25/19	8/26/19	8/27/19
Analyst	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR	HR
Scope ID	2	2	2	2	2	2	2	2	2	2	2	2
Polarizer Orientation	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Analyser Orientation	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Cross-hairs Alignment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Substage Condenser Alignment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SRM 1866A--Analyzed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SRM 1866A Results	100	100	100	100	100	100	100	100	100	100	100	100
Scope Temperature	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°	25°
Samples in Storage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ref. Sample	5/19/19	11/19/19	9/5/19	7/19/19	1/9/2019	3/5/2019	12/13/2018	9/5/19	3/22/19	5/17/19	9/15/19	10/1/2019

Date	9/27/19											
Analyst	HR											
Scope ID	2											
Polarizer Orientation	90°											
Analyser Orientation	90°											
Cross-hairs Alignment	✓											
Substage Condenser Alignment	✓											
SRM 1866A--Analyzed	✓											
SRM 1866A Results	100											
Scope Temperature	25°											
Samples in Storage	✓											
Ref. Sample	6/15/2019											

ATTACHMENT D
PHOTOGRAPHIC LOG



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 1

Date: 9/9/09

Direction: Southwest

Photographer: Trenna Seilheimer

Subject: Clearing and grubbing of vegetation around laboratory building



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 2

Date: 9/9/09

Direction: North

Photographer: Trenna Seilheimer

Subject: Clearing and grubbing of vegetation for access road



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 3

Direction: Northwest

Subject: Rolling mill building area requiring asbestos pipe wrap/insulation abatement

Date: 9/9/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 4

Direction: North

Subject: Clearing and grubbing of vegetation for access road

Date: 9/9/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 5

Direction: East

Subject: Field north of Building 1943

Date: 9/9/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 6

Direction: South

Subject: Asbestos pipe wrap/insulation abatement area

Date: 9/9/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 7
Direction: South
Subject: Asbestos pipe wrap/insulation abatement area

Date: 9/9/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 8
Direction: West
Subject: Clearing and grubbing of vegetation

Date: 9/9/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 9
Direction: North
Subject: Asbestos pipe wrap/insulation abatement area

Date: 9/9/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 10
Direction: North
Subject: Asbestos pipe wrap/insulation abatement area

Date: 9/9/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 11

Date: 9/9/09

Direction: North

Photographer: Trenna Seilheimer

Subject: Asbestos pipe wrap/insulation abatement area



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 12

Date: 9/9/09

Direction: Southwest

Photographer: Trenna Seilheimer

Subject: Laboratory building cleared of surrounding vegetation



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 13

Direction: East

Subject: Removal of asbestos debris from field north of Building 1943

Date: 9/10/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 14

Direction: Northeast

Subject: Scraped field north of Building 1943

Date: 9/10/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 15
Direction: Southwest
Subject: Scraped field north of Building 1943

Date: 9/10/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 16
Direction: Southeast
Subject: Asbestos-containing floor tile removal in laboratory building

Date: 9/10/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

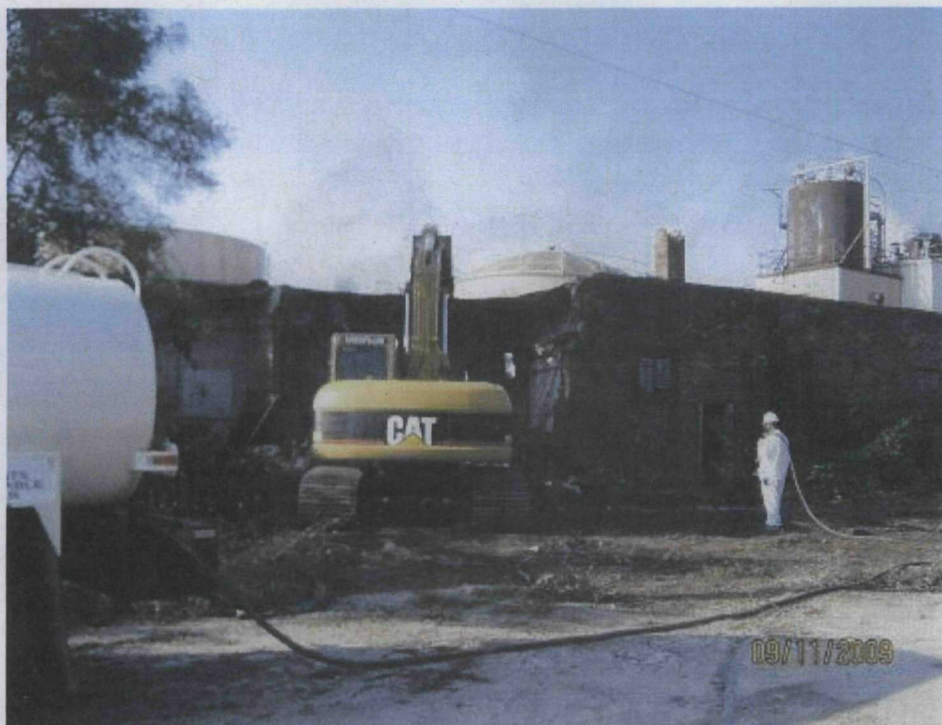
Photograph No.: 17

Direction: Southwest

Subject: Asbestos-containing floor tile removal in laboratory building

Date: 9/10/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 18

Direction: Southwest

Subject: Dismantlement of laboratory building

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 19

Direction: South

Subject: Dismantlement of laboratory building dismantling

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 20

Direction: South

Subject: Dismantlement of laboratory building

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 21
Direction: South
Subject: Dismantlement of laboratory building

Date: 9/11/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 22
Direction: Southwest
Subject: Dismantlement of laboratory building

Date: 9/11/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 23

Direction: Southwest

Subject: Dismantlement of laboratory building

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 24

Direction: South

Subject: Dismantlement of laboratory building

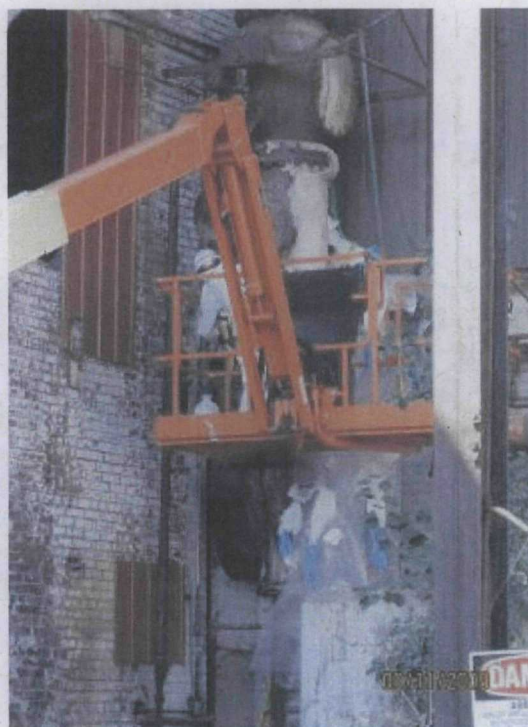
Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 25
Direction: Northwest
Subject: Asbestos pipe wrap/insulation abatement area

Date: 9/11/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL
Photograph No.: 26
Direction: Northwest
Subject: Asbestos pipe warp/insulation abatement outside rolling mill building

Date: 9/11/09
Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 27

Direction: Northwest

Subject: Laboratory building demolition

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

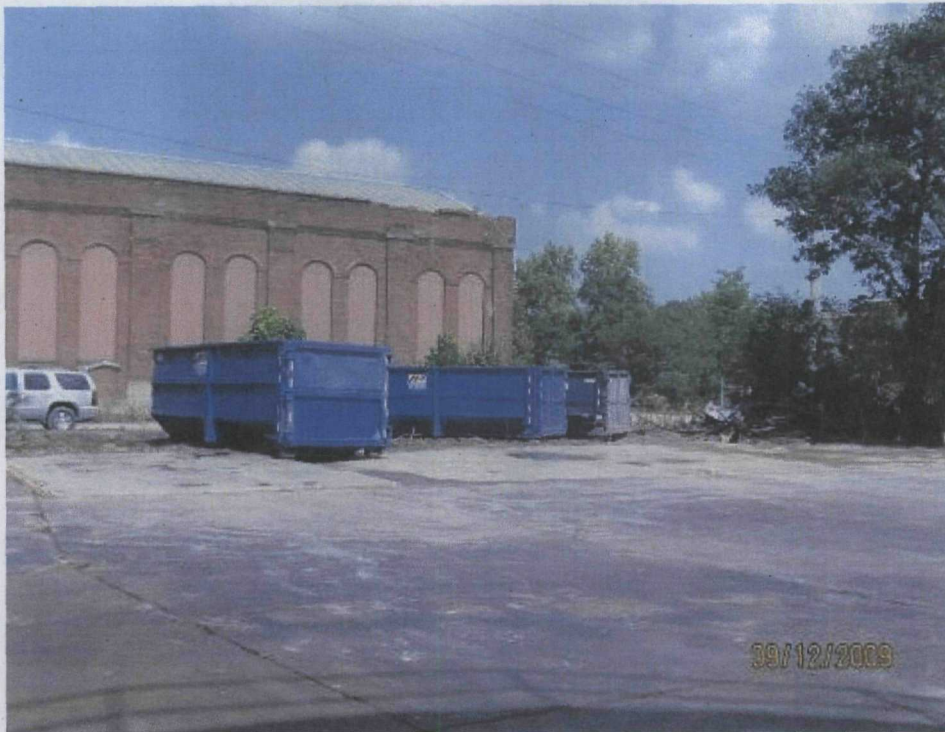
Photograph No.: 28

Direction: South

Subject: Scrap metal left on site by ERRS after laboratory building demolition

Date: 9/11/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 29

Direction: Northeast

Subject: Completed laboratory building dismantlement

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 30

Direction: East

Subject: Completed laboratory building dismantlement

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 31

Direction: North

Subject: Asbestos pipe wrap/insulation abatement completed outside Rolling mill building

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

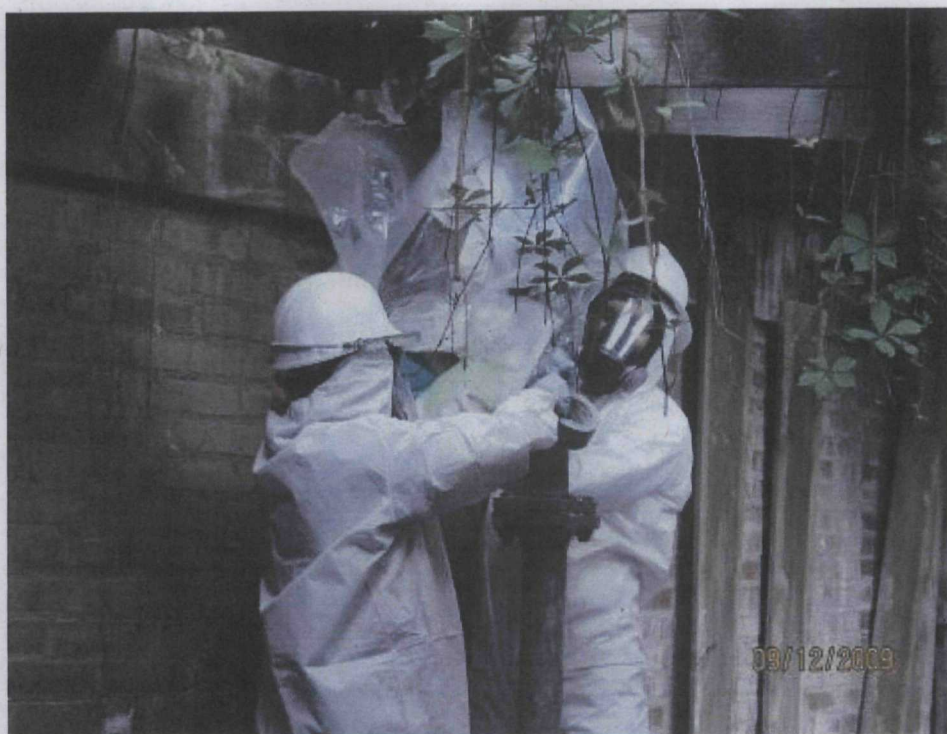
Photograph No.: 32

Direction: North

Subject: Asbestos pipe wrap/insulation abatement

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 33

Direction: Northwest

Subject: Asbestos pipe wrap/insulation abatement

Date: 9/12/09

Photographer: Trena Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 34

Direction: Northwest

Subject: Completed asbestos pipe wrap/insulation abatement

Date: 9/12/09

Photographer: Trena Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 35

Direction: Southwest

Subject: Asbestos pipe wrap/insulation abatement outside Rolling mill building

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 36

Direction: Southwest

Subject: Completed asbestos pipe wrap/insulation abatement

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

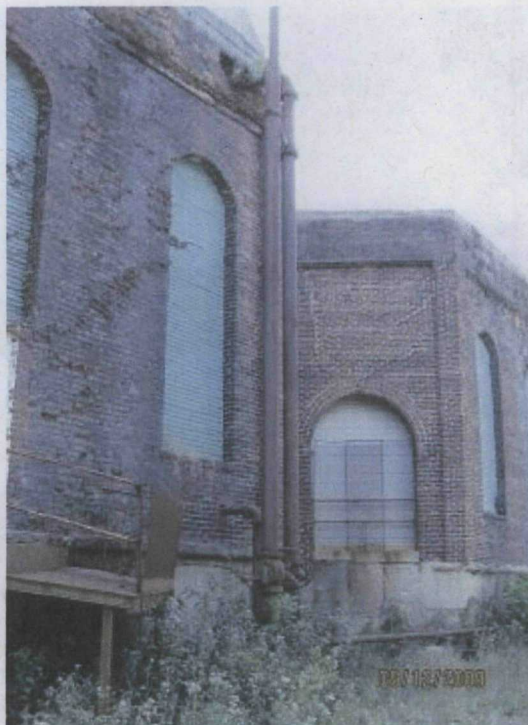
Photograph No.: 37

Direction: Northwest

Subject: Asbestos pipe wrap/insulation abatement outside rolling mill building

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 38

Direction: Northwest

Subject: Completed asbestos pipe wrap/insulation abatement

Date: 9/12/09

Photographer: Trenna Seilheimer



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 39

Direction: North

Subject: New fence in place of demolished laboratory building

Date: 9/18/09

Photographer: Theresa Holz



Site: M&H Zinc Site Removal Action, La Salle, IL

Photograph No.: 40

Direction: Northwest

Subject: New fence in place of demolished laboratory building

Date: 9/18/09

Photographer: Theresa Holz

ATTACHMENT E

**ANALYTICAL RESULTS FOR PERIMETER AND
PERSONAL AIR SAMPLING**

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160

**PHASE CONTRAST MICROSCOPY**

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
(312) 424-3300
(312) 424-3330

Reference: 20405.016.001.0739.00

Location: M+H Zinc Fund Lead RV LaSalle, IL

Batch No.: 285710

Customer No.: 1324

Date Received: 09/10/2009

Date Analyzed: 09/10/2009

Date Reported: 09/10/2009

Turn Around Time: 24 Hour

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result		Reported Result
					F/cc	F/mm ²	
285710001	MH-ACM-1-090909	1646	3	100	0.0009	3.8	< 0.0016 F/cc
285710002	MH-ACM-2-090909	1668	5	100	0.0015	6.4	< 0.0016 F/cc
285710003	MH-ACM-3-090909	1583	7	100	0.0022	8.9	0.0022 F/cc
285710004	MH-ACM-4-090909	1227	4	100	0.0016	5.1	< 0.0022 F/cc
285710005	MB-ACM-090909	0	0	100		< 7	< 7 F/mm ²
285710006	ER-Personal-Maria	300	5	100	0.0082	6.4	< 0.009 F/cc

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2244

>50-100 fibers/100 fields: 0.1227

>20-50 fibers/100 fields: 0.1757

>100 fibers/100 fields: 0.2322

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume.

All results are field blank corrected, when applicable.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Signature :

A handwritten signature in black ink, appearing to read "Adalberto Rios".

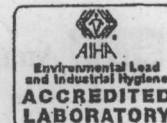
Adalberto Rios / Microscopist

Date: 09/10/2009

STAT Analysis Corporation:

2242 W. Harrison Suite 200, Chicago, Illinois 60612

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

**PCM ASBESTOS ANALYSIS COUNT SHEET**

Page: _____ of _____

TURN-AROUND TIME (Hours):

4 ☐4-8 ☐12 ☐24 ☐48 ☐72 ☐Date Due: Time Due:

Client: _____

Street: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Project Name: _____

Project Number: _____

Project Location: _____

Project Manager: _____

Office Use Only:

COC No.: 285710

STAT Client No.: _____

Samples Acceptable: Yes ☒ No ☐

Comments: _____

Analyzed By: AR

Date/Time: 9/10/09

QC By: AR

Date/Time: 9/10/09

Laboratory Sample Number	Client Sample Number	Fibers/ Fields	Fibers per mm ²	Comments
285710001		3/100		
002		5/100		
003		7/100		
004		4/100		
005		0/100		
006		5/100		

Comments: _____

Client Contact Information:

Attention: _____

Phone Number: _____

Pager: _____

Fax (1): _____

Fax (2): _____

Faxed Final Reports

Office Use Only:

Yes

No

Signed/Date/Time

93-0002

Reviewed by/ Date: _____

PCM PREPARATION LOGBOOK

Logbook #: 92-0004

[illegible]

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
Phone: (312) 424-3300
Fax: (312) 424-3330

Reference: 20405.016.001.0739.00

Date Received: 09/10/2009

Location: M+H Zinc Fund Lead RV LaSalle, IL

Date Analyzed: 09/10/2009

Batch No.: 285711

Date Reported: 09/10/2009

Customer No.: 1324

Turn Around Time: 24 Hour

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
285711001	ER-Chemical Storage Shed	ND	Binder 99-100%


ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

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Analyzed by Name :


Henry Robateau / Microscopist

STAT ANALYSIS CORPORATION

PLM Analysis Logbook Henry

Logbook 135-0066

Stat Batch & Sample #	Date	Stereo Microscope % asb	asbestos optical properties	morphology of material			Polarized microscopy of fibrous material						Sign of elongation	Analytical Results	
				No. of layers	Color	Shape	Shape	Ext. angle	Birefringence Qual. Quan.	Ref. indices	Color & Pleochromism	% type of asbestos		% non- asbestos	
285711 WT	5/10/84	N/A		1 2 3 Other	Wht	Irreg					 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder <i>Q-wo</i> Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other
				1 2 3 Other							 ┤ γ α		+ -	Chry. Amos. Croco. Tremo. Antho	MMF Cell. Binder Filler Glass Other

Page : 1 of 1

[illegible]

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160

**PHASE CONTRAST MICROSCOPY**

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
(312) 424-3300
(312) 424-3330

Reference: 20405.016.001.0739.00

Location: M+H Zinc Fund Lead RV LaSalle, IL

Batch No.: 285730

Customer No.: 1324

Date Received: 09/11/2009

Date Analyzed: 09/11/2009

Date Reported: 09/11/2009

Turn Around Time: 24 Hour

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result F/cc	F/mm ²	Reported Result
285730001	MH-ACM-1-091009	1666.4	6	100	0.0018	7.6	0.0018 F/cc
285730002	MH-ACM-2-091009	1576.2	3	100	0.0009	3.8	< 0.0017 F/cc
285730003	MH-ACM-3-091009	1239.7	6	100	0.0024	7.6	0.0024 F/cc
285730004	MH-ACM-4-091009	1594.1	8	100	0.0025	10.2	0.0025 F/cc
285730005	MB-ACM-091009	0	0	100		< 7	< 7 F/mm ²
285730006	ER-Personal-Mike	574	7	100	0.0060	8.9	0.0060 F/cc
285730007	ER-Personal-Maria	1080	31	100	0.0141	39.5	0.0141 F/cc
285730008	ER-Personal-Jeff	870	10	100	0.0056	12.7	0.0056 F/cc

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2244

>50-100 fibers/100 fields: 0.1227

>20-50 fibers/100 fields: 0.1757

>100 fibers/100 fields: 0.2322

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume.

All results are field blank corrected, when applicable.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Signature : 

CHAIN OF CUSTODY RECORD

Nº: 827203

Page : 1 of 1

Company: Weston Solutions, Inc										P.O. No.:																			
Project Number: 26405 G16.00 i. 0139.00										Client Tracking No.:																			
Project Name: M-H Zinc Fund Lead RV										Quote No.:																			
Project Location: LaSalle, IL										<div>ASX Sts / NCSA 740C</div>																			
Sampler(s): T. Seilheimer, M. Hunt (ER)																													
Report To: Lisa Graczyk																				Turn Around									
Phone: 312-424-3339																				24 hr									
Trenna Seilheimer										Results Needed																			
Fax: 312-424-3330										am/pm																			
e-mail: see comments																													
QC Level: 1 2 X 3 4																													
Client Sample Number/Description:										Liters Sampled																			
Date Taken										Remarks																			
Time Taken										Lab No.																			
Matrix																													
Comp																													
Grabs																													
Preserv																													
No. of Containers																													
MH-ACM-1-091009										9/10/09 1647 Air 1 X 1666.4																			
MH-ACM-2-091009										1657 1 X 1576.2																			
MH-ACM-3-091009										1652 1 X 1239.7																			
MH-ACM-4-091009										1701 1 X 1594.1																			
MB-ACM-091009										0820 1 X Not Applicable																			
ER- Personal- Mike										9/10/09 0800 Air 1 X 574 L																			
ER- Personal- Maria										5:00 1 X 1080 L																			
ER- Personal- Jeff										0800 1 X 870 L																			
Relinquished by: (Signature) <i>Trenna Seilheimer</i>										Date/Time: <i>9/10/09 10:15</i>																			
Received by: (Signature) <i>FEDX</i>										Date/Time: <i>9/11/09 9:45AM</i>																			
Relinquished by: (Signature)										Date/Time:																			
Received by: (Signature)										Date/Time:																			
Relinquished by: (Signature)										Date/Time:																			
Received by: (Signature)										Date/Time:																			
Comments: <i>lgraczyk@dynamac.com</i> <i>trenna.seilheimer@westonsolutions.com</i>										Laboratory Work Order No.: <i>285730</i>																			
Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035 Pb Core G = Other										Received on Ice: Yes <input type="checkbox"/> No <input type="checkbox"/>																			
										Temperature: °C																			

PCM PREPARATION LOGBOOK

Logbook #: 92-0004

[illegible]

93-0002

Reviewed by/ Date: _____

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160

**PHASE CONTRAST MICROSCOPY**

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
(312) 424-3300
(312) 424-3330

Reference:	20405.016.001.0739.00	Date Received:	09/14/2009
Location:	M+H Zinc Fund Lead RV LaSalle, IL	Date Analyzed:	09/15/2009
Batch No.:	285762	Date Reported:	09/15/2009
Customer No.:	1324	Turn Around Time:	24 Hour

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result		Reported Result
					F/cc	F/mm ²	
285762001	MH-ACM-1-091209	1577.1	4	100	0.0012	5.1	< 0.0017 F/cc
285762002	MH-ACM-2-091209	1407.7	6	100	0.0021	7.6	0.0021 F/cc
285762003	MH-ACM-3-091209	808.5	6	100	0.0036	7.6	0.0036 F/cc
285762004	MH-ACM-4-091209	847.6	3	100	0.0017	3.8	< 0.0032 F/cc
285762005	MB-ACM-91209	0	0	100		< 7	< 7 F/mm ²
285762006	ER-Personal-Maria	750	10	100	0.0065	12.7	0.0065 F/cc

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2244 >50-100 fibers/100 fields: 0.1227
>20-50 fibers/100 fields: 0.1757 >100 fibers/100 fields: 0.2322

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume.

All results are field blank corrected, when applicable.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Signature :

STAT Analysis Corporation

2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 101160 NVLAP lab code 101202-0

CHAIN OF CUSTODY RECORD

Page : 1 of 1

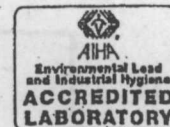
Client: <u>Weston Solutions, Inc.</u>			Turn Around: Immediate <input type="checkbox"/> 4 Hrs. <input type="checkbox"/> 8 Hrs. <input type="checkbox"/> 12 Hrs. <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 5 Days <input type="checkbox"/>															
Street Address: <u>20 N Wacker Dr, Ste 1210</u>			Date Due: _____ Time Due: _____ Note: Not all turn around times are available for all analysis.															
City, State, Zip: <u>Chicago, IL 60606</u>			OFFICE USE ONLY BELOW: Batch No.: <u>285762</u> Samples Acceptable Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> Checked by (Initial/Date): <u>[Signature] 9/15/09</u> QC by (Initial/Date): <u>[Signature] 9/11</u> Reported By (Initial/Date/Time/Method): <u>[Signature] 9/11</u> Comments: _____															
Phone: <u>312-424-3339</u>																		
Fax: <u>312-424-3330</u>																		
e-mail/Alt. Fax: <u>See Comments</u>																		
Project Number: <u>20405.016.001.0739.00</u>																		
Project Name: <u>M+H Zinc Fund Lead RV</u>			Relinquished by: <u>[Signature] 9/12/09 1:45pm</u>															
Project Location: <u>LaSalle, IL</u>			Received by: <u>[Signature] 9/14/09 1:15pm</u>															
Project Manager: <u>Lisa Graczyk</u>			Relinquished by: <u>[Signature] 9/14/09 4:15</u>															
P.O. Number: _____			Received by: <u>[Signature] 9/14/09 4:15</u>															
Client Sample Number/Description:	Date Taken	Time On Off	Rate (lpm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb.	TEM Microvac Asb.	TEM Water	Other:	Asbestos NIOSH 7400	Total Particulate NIOSH 0550	Arctic, Cadmium Lead, Zinc AL1014-200
MH-ACM-1-091209	9-12-09		1327	1577.1														
MH-ACM-2-091209			1330	1407.7														
MH-ACM-3-091209			1313	808.5														
MH-ACM-4-091209			1318	847.6														
MB-ACM-091209			1300	NA														
MH-PM-3-091209			1313	808.5													X	X
MH-PM-4-091209			1318	847.6													X	X
MB-PM-091209			1300	NA													X	X
ER-Personal-Maria	9/12/09	7:00am	1:15pm	750L													X	

Comments: lgraczyk@dynamac.com
trenna.seilheimer@weston solutions.com

STAT Analysis Corporation:

2242 W. Harrison Suite 200, Chicago, Illinois 60612

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

**PCM ASBESTOS ANALYSIS COUNT SHEET**

Page: _____ of _____

TURN-AROUND TIME (Hours):

4 ☐ 4-8 ☐ 12 ☐ 24 ☐ 48 ☐ 72 ☐

Date Due: _____

Time Due: _____

Client: _____

Street: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Project Name: _____

Project Number: _____

Project Location: _____

Project Manager: _____

Office Use Only:

COC No.: 285762

STAT Client No.: _____

Samples Acceptable: Yes ☒ No ☐

Comments: _____

Analyzed By: AK

Date/Time: 9/15/09

QC By: AK

Date/Time: 9/15/09

Laboratory Sample Number	Client Sample Number	Fibers/ Fields	Fibers per mm ²	Comments
285762-001		4/100		
002		6/100		
003		6/100		
004		3/100		
005		6/100		
006		10/100		

Comments: _____

Client Contact Information:

Attention: _____

Phone Number: _____

Pager: _____

Fax (1): _____

Fax (2): _____

Faxed Final Reports

Office Use Only:

Yes

No

Signed/Date/Time

Analyte	Date	Phase Rings Concentric	HSE/NPL	Resolution Grooved lines 3-7	Stage Micrometer Check (Graticule)	PCM Reference Slide	Compliant (Y/N)	10% Recount Data	COC #	Sample #	1st Read	2nd read	Compliant P/F	Comment
A	8/29/09	✓	✓	4	100	4/390	Y		235505	2	2	2	P	
									235555	17	6	3	P	
A	8/31/09	✓	✓	4	100	1/7	Y		235593	3	6	9	P	
A	9/1/09	✓	✓	4	100	3/09	Y		235618	2	53	63	P	
A	9/6/09	✓	✓	4	100	4/49	Y		235635	3	4	2	P	
A	9/13/09	✓	✓	4	100	1/20	Y		235646	1	18	13	P	
									235651	7	0	0	P	
									235642	6	13	15	P	
									235643	3	7	4	P	
									235652	2	2	3	P	
A	9/14/09	✓	✓	4	100	2/21	Y		Ref Slide	2	21	53	P	
A	9/18/09	✓	✓	4	100	4/42	Y		235677	1	2	1	P	
A	9/19/09	✓	✓	4	100	3/06	Y		Ref Slide	3	86	96	P	
A	9/10/09	✓	✓	4	100	1/13	Y		235710	3	7	5	P	
A	9/11/09	✓	✓	4	100	4/34	Y		235753	7	39	43	P	
A	9/14/09	✓	✓	4	100	3/97	Y		235748	6	256	278	P	
									235753	9	6	4	P	
A	9/14/09	✓	✓	4	100	1/19	Y		235769	2	3	1	P	

PCM PREPARATION LOGBOOK

Logbook #: 92-0004

[illegible]

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 15, 2009

Weston Solutions
20 North Wacker Drive
Suite 1210
Chicago, IL 60606
Telephone: (312) 424-3339
Fax: (312) 424-3330

RE: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

STAT Project No: 09090350

Dear Lisa Graczyk:

STAT Analysis received 3 samples for the referenced project on 9/14/2009 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA, EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. If required, an estimate of uncertainty for the analyses can be provided. Sample results have not been corrected for contamination based on field blank or other analytical blank, unless noted in the case narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 15, 2009

Date Printed: September 15, 2009

Client: Weston Solutions

Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

Lab Order: 09090350

Lab ID: 09090350-001

Collection Date: 9/11/2009 4:57:00 PM

Client Sample ID: MH-PM-3-091109

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals in Air	N7300					Prep Date: 9/14/2009 Analyst: JG
Arsenic	ND	0.83		µg/m³	10	9/14/2009
Cadmium	ND	0.83		µg/m³	10	9/14/2009
Lead	ND	0.83		µg/m³	10	9/14/2009
Zinc	ND	0.83		µg/m³	10	9/14/2009
Particulates in Air	NIOSH0500					Prep Date: 9/14/2009 Analyst: RW
Particulates in Air	ND	0.17	*	mg/m³	1	9/14/2009

Lab ID: 09090350-002

Collection Date: 9/11/2009 4:53:00 PM

Client Sample ID: MH-PM-4-091109

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals in Air	N7300					Prep Date: 9/14/2009 Analyst: JG
Arsenic	ND	0.82		µg/m³	10	9/14/2009
Cadmium	ND	0.82		µg/m³	10	9/14/2009
Lead	ND	0.82		µg/m³	10	9/14/2009
Zinc	ND	0.82		µg/m³	10	9/14/2009
Particulates in Air	NIOSH0500					Prep Date: 9/14/2009 Analyst: RW
Particulates in Air	ND	0.16	*	mg/m³	1	9/14/2009

Lab ID: 09090350-003

Collection Date: 9/11/2009 5:00:00 PM

Client Sample ID: MB-PM-091109

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals in Air	N7300					Prep Date: 9/14/2009 Analyst: JG
Arsenic	ND	1		µg/filter	10	9/14/2009
Cadmium	ND	1		µg/filter	10	9/14/2009
Lead	ND	1		µg/filter	10	9/14/2009
Zinc	ND	1		µg/filter	10	9/14/2009
Particulates in Air	NIOSH0500					Prep Date: 9/14/2009 Analyst: RW
Particulates in Air	ND	0.2	*	mg/filter	1	9/14/2009

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160

**PHASE CONTRAST MICROSCOPY**

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
(312) 424-3300
(312) 424-3330

Reference: 20405.016.001.0739.00

Location: M+H Zinc Fund Lead RV LaSalle, IL

Batch No.: 285748

Customer No.: 1324

Date Received: 09/14/2009

Date Analyzed: 09/14/2009

Date Reported: 09/14/2009

Turn Around Time: 24 Hour

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result		Reported Result
					F/cc	F/mm ²	
285748001	MH-ACM-1-091109	1430.9	7	100	0.0024	8.9	0.0024 F/cc
285748002	MH-ACM-2-091109	1933.8	10	100	0.0025	12.7	0.0025 F/cc
285748003	MH-ACM-3-091109	1209.1	4	100	0.0016	5.1	< 0.0022 F/cc
285748004	MH-ACM-4-091109	1214.9	5	100	0.0020	6.4	< 0.0022 F/cc
285748005	MB-ACM-091109	0	0	100		< 7	< 7 F/mm ²
285748006	ER-Personal-Maria	1080	100	39	0.1164	326.6	0.1164 F/cc
285748007	ER-Personal-Jeff	1125	19	100	0.0083	24.2	0.0083 F/cc
285748008	ER-Personal-Mike	900	11	100	0.0060	14.0	0.0060 F/cc

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2244

>50-100 fibers/100 fields: 0.1227

>20-50 fibers/100 fields: 0.1757

>100 fibers/100 fields: 0.2322

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume.

All results are field blank corrected, when applicable.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Signature : 

Adalberto Rios / Microscopist

Date: 09/14/2009

CHAIN OF CUSTODY RECORD

Nº: 827202

Page : 1 of 1

[illegible]

285748

Prep Start Date: 9/15/2009 10:20:00

Prep End Date: 9/15/2009 10:40:00

Prep Factor Units:

 Prep Batch **44507** Prep Code: **M_AIR_PR** Technician: **PN**

mL /

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IRBA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
IMBA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
ILCSA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
ILCSDA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
09090350-001A	Air		1.209	0	0	0.01	0.008	9/14/2009	9/14/2009
09090350-002A	Air		1.215	0	0	0.01	0.008	9/14/2009	9/14/2009
09090350-003A	Air		1	0	0	0.01	0.010	9/14/2009	9/14/2009
09090376-001A	Air		0.808	0	0	0.01	0.012	9/15/2009	9/15/2009
09090376-002A	Air		0.848	0	0	0.01	0.012	9/15/2009	9/15/2009
09090376-003A	Air		1	0	0	0.01	0.010	9/15/2009	9/15/2009

CLIENT: Weston Solutions
Work Order: 09090350
Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

ANALYTICAL QC SUMMARY REPORT

BatchID: 44507

Sample ID	IRBA1 9/14/09	SampType:	MBLK	TestCode:	M_AIR	Units:	µg	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494301
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	1.0									
Cadmium	ND	1.0									
Lead	ND	1.0									
Zinc	ND	1.0									

Sample ID	IMBA1 9/14/09	SampType:	MBLK	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494302
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	1.0									
Cadmium	ND	1.0									
Lead	ND	1.0									
Zinc	0.445	1.0									J

Sample ID	ILCSA1 9/14/09	SampType:	LCS	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494386
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	4.771	1.0	5	0	95.4	80	120	0	0		
Cadmium	4.839	1.0	5	0	96.8	80	120	0	0		
Lead	4.776	1.0	5	0	95.5	80	120	0	0		
Zinc	5.243	1.0	5	0.445	96	80	120	0	0		

Sample ID	ILCSDA1 9/14/09	SampType:	LCS	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494382
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	4.463	1.0	5	0	89.3	80	120	4.771	6.67	20	
Cadmium	4.6	1.0	5	0	92	80	120	4.839	5.06	20	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Weston Solutions

Work Order: 09090350

Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

ANALYTICAL QC SUMMARY REPORT

BatchID: 44507

Sample ID	ILCSDA1 9/14/09	SampType: LCSD	TestCode: M_AIR	Units: µg/filter	Prep Date: 9/14/2009	Run ID: ICPMS-2_090914A					
Client ID: ZZZZZ	Batch ID: 44507	TestNo: N7300	Analysis Date: 9/14/2009			SeqNo: 1494382					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.516	1.0	5	0	90.3	80	120	4.776	5.60	20	
Zinc	4.858	1.0	5	0.445	88.3	80	120	5.243	7.62	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

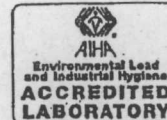
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation:

2242 W. Harrison Suite 200, Chicago, Illinois 60612

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

**PCM ASBESTOS ANALYSIS COUNT SHEET**

Page: _____ of _____

TURN-AROUND TIME (Hours):

4 ☐4-8 ☐12 ☐24 ☐48 ☐72 ☐Date Due: Time Due:

Client: _____

Street: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Project Name: _____

Project Number: _____

Project Location: _____

Project Manager: _____

Office Use Only:

COC No.: 255148

STAT Client No.: _____

Samples Acceptable: Yes ☒ No ☐

Comments: _____

Analyzed By: AK

Date/Time: 9/11/09

QC By: AK

Date/Time: 9/11/09

Laboratory Sample Number	Client Sample Number	Fibers/ Fields	Fibers per mm ²	Comments
205148001		7/100		
002		10/100		
003		4/100		
004		5/100		
005		0/100		
006		100/39		
007		19/100		
008		11/100		

Comments: _____

Client Contact Information:

Attention: _____

Phone Number: _____

Pager: _____

Fax (1): _____

Fax (2): _____

Office Use Only:

Yes

No

Signed/Date/Time

Faxed Final Reports

PCM PREPARATION LOGBOOK

Logbook #: 92-0004

[illegible]

~~Page 2 of 10~~

~~Page 10 of 10~~

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 15, 2009

Weston Solutions
20 North Wacker Drive
Suite 1210
Chicago, IL 60606
Telephone: (312) 424-3339
Fax: (312) 424-3330

RE: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

STAT Project No: 09090376

Dear Lisa Graczyk:

STAT Analysis received 3 samples for the referenced project on 9/14/2009 4:15:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA, EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. If required, an estimate of uncertainty for the analyses can be provided. Sample results have not been corrected for contamination based on field blank or other analytical blank, unless noted in the case narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 15, 2009

Date Printed: September 15, 2009

Client: Weston Solutions

Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

Lab Order: 09090376

Lab ID: 09090376-001

Collection Date: 9/12/2009 1:13:00 PM

Client Sample ID: MH-PM-3-091209

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Metals in Air**N7300**

Prep Date: 9/15/2009 Analyst: JG

Arsenic	ND	1.2		µg/m³	10	9/15/2009
Cadmium	ND	1.2		µg/m³	10	9/15/2009
Lead	ND	1.2		µg/m³	10	9/15/2009
Zinc	ND	1.2		µg/m³	10	9/15/2009

Particulates in Air**NIOSH0500**

Prep Date: 9/14/2009 Analyst: RW

Particulates in Air	ND	0.25	*	mg/m³	1	9/14/2009
---------------------	----	------	---	-------	---	-----------

Lab ID: 09090376-002

Collection Date: 9/12/2009 1:18:00 PM

Client Sample ID: MH-PM-4-091209

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Metals in Air**N7300**

Prep Date: 9/15/2009 Analyst: JG

Arsenic	ND	1.2		µg/m³	10	9/15/2009
Cadmium	ND	1.2		µg/m³	10	9/15/2009
Lead	ND	1.2		µg/m³	10	9/15/2009
Zinc	ND	1.2		µg/m³	10	9/15/2009

Particulates in Air**NIOSH0500**

Prep Date: 9/14/2009 Analyst: RW

Particulates in Air	ND	0.24	*	mg/m³	1	9/14/2009
---------------------	----	------	---	-------	---	-----------

Lab ID: 09090376-003

Collection Date: 9/12/2009 1:00:00 PM

Client Sample ID: MB-PM-091209

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Metals in Air**N7300**

Prep Date: 9/15/2009 Analyst: JG

Arsenic	ND	1		µg/filter	10	9/15/2009
Cadmium	ND	1		µg/filter	10	9/15/2009
Lead	ND	1		µg/filter	10	9/15/2009
Zinc	ND	1		µg/filter	10	9/15/2009

Particulates in Air**NIOSH0500**

Prep Date: 9/14/2009 Analyst: RW

Particulates in Air	ND	0.2	*	mg/filter	1	9/14/2009
---------------------	----	-----	---	-----------	---	-----------

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

AIHA Accreditation # 101160

**PHASE CONTRAST MICROSCOPY**

Method: NIOSH 7400, Fourth Edition 8/15/94

Weston Solutions, Inc.
20 N Wacker Drive Suite 1210
Chicago, IL 606062901
(312) 424-3300
(312) 424-3330

Reference:	20405.016.001.0739.00	Date Received:	09/14/2009
Location:	M+H Zinc Fund Lead RV LaSalle, IL	Date Analyzed:	09/15/2009
Batch No.:	285762	Date Reported:	09/15/2009
Customer No.:	1324	Turn Around Time:	24 Hour

Laboratory Sample Number	Customer Sample Number	Volume (L)	Fibers	Number of Fields	Calculated Result		Reported Result
					F/cc	F/mm ²	
285762001	MH-ACM-1-091209	1577.1	4	100	0.0012	5.1	< 0.0017 F/cc
285762002	MH-ACM-2-091209	1407.7	6	100	0.0021	7.6	0.0021 F/cc
285762003	MH-ACM-3-091209	808.5	6	100	0.0036	7.6	0.0036 F/cc
285762004	MH-ACM-4-091209	847.6	3	100	0.0017	3.8	< 0.0032 F/cc
285762005	MB-ACM-91209	0	0	100		< 7	< 7 F/mm ²
285762006	ER-Personal-Maria	750	10	100	0.0065	12.7	0.0065 F/cc

STAT Analysis Laboratory Sr Values: 5-20 fibers/100 fields: 0.2244 >50-100 fibers/100 fields: 0.1227
>20-50 fibers/100 fields: 0.1757 >100 fibers/100 fields: 0.2322

LOD = 7 fibers/mm² or 0.0027 fibers/cc for 1000 Litre sample volume.

All results are field blank corrected, when applicable.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Signature :

Adalberto Rios / Microscopist

Date: 09/15/2009

STAT Analysis Corporation

2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386
e-mail address: STATinfo@STATanalysis.com AIHA accredited 101160 NVLAP lab code 101202-0

CHAIN OF CUSTODY RECORD

Page: 1 of 1

Client: <u>Weston Solutions, Inc</u>				Turn Around: Immediate <input type="checkbox"/> 4 Hrs <input type="checkbox"/> 8 Hrs <input type="checkbox"/> 12 Hrs <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> > Days <input type="checkbox"/>			
Street Address: <u>20 N Wacker Dr, Ste 1210</u>				Date Due: _____ Time Due: _____ Note: Not all turn around times are available for all analysis.			
City, State, Zip: <u>Chicago, IL 60606</u>				OFFICE USE ONLY BELOW: Relinquished by: <u>[Signature]</u> Date/Time: <u>9/12/09 1:45pm</u> Received by: <u>[Signature]</u> Date/Time: <u>9/14/09 1:17pm</u> Relinquished by: <u>[Signature]</u> Date/Time: <u>9/14/09 4:15</u> Received by: <u>[Signature]</u> Date/Time: _____ Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____			
Phone: <u>312-424-3339</u>							
Fax: <u>312-424-3330</u>							
e-mail/Alt. Fax: <u>See comments</u>							
Batch No.: <u>09090376</u>							
Project Number: <u>20405.016.001.0739.00</u>				Samples Acceptable Yes: <input type="checkbox"/> No: <input type="checkbox"/>			
Project Name: <u>M+H Zinc Fund Lead RV</u>				Checked by (Initial/Date): _____			
Project Location: <u>LaSalle, IL</u>				QC by (Initial/Date): _____			
Project Manager: <u>Lisa Graczyk</u>				Reported By (Initial/Date/Time/Method): _____			
P.O. Number: _____				Comments: _____			

Client Sample Number/Description	Date Taken	Time		Rate (lpm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Ash	TEM Microvac Ash	TEM Water	Other:	Asbestos	NIOSH 7400	Total Particulate	NIOSH 0500	arsenic, cadmium	Lead, Zinc	NIOSH 7300	
		On	Off																					
MH-ACM-1-091209	9-12-09		1327		1577.1													X						
MH-ACM-2-091209			1330		1407.7													X						
MH-ACM-3-091209			1313		808.5													X						
MH-ACM-4-091209			1318		847.6													X						
MB-ACM-091209			1300		NA													X						
MH-PM-3-091209			1313		808.5		001												X	X				
MH-PM-4-091209			1318		847.6		002												X	X				
MB-PM-D91209			1300		NA		003												X	X				
ER- Personal-Maria	9/12/09	7:00	1:15		750L													X						

Comments: lgraczyk@dynamac.com

trenna.seilheimer@weston.solutions.com

Prep Start Date: 9/15/2009 10:20:00

Prep End Date: 9/15/2009 10:40:00

Prep Factor Units:

Prep Batch 44507

Prep Code: M_AIR_PR

Technician: PN

mL /

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IRBA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
IMBA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
ILCSA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
ILCSDA1 9/14/09			1	0	0	0.01	0.010	9/14/2009	9/14/2009
09090350-001A	Air		1.209	0	0	0.01	0.008	9/14/2009	9/14/2009
09090350-002A	Air		1.215	0	0	0.01	0.008	9/14/2009	9/14/2009
09090350-003A	Air		1	0	0	0.01	0.010	9/14/2009	9/14/2009
09090376-001A	Air		0.808	0	0	0.01	0.012	9/15/2009	9/15/2009
09090376-002A	Air		0.848	0	0	0.01	0.012	9/15/2009	9/15/2009
09090376-003A	Air		1	0	0	0.01	0.010	9/15/2009	9/15/2009

CLIENT: Weston Solutions
Work Order: 09090376
Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

ANALYTICAL QC SUMMARY REPORT

BatchID: 44507

Sample ID	IRBA1 9/14/09	SampType:	MBLK	TestCode:	M_AIR	Units:	µg	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494301
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Cadmium	ND	1.0									
Lead	ND	1.0									
Zinc	ND	1.0									

Sample ID	IMBA1 9/14/09	SampType:	MBLK	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494302
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Cadmium	ND	1.0									
Lead	ND	1.0									
Zinc	0.445	1.0									J

Sample ID	ILCSA1 9/14/09	SampType:	LCS	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494386
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4.771	1.0	5	0	95.4	80	120	0	0		
Cadmium	4.839	1.0	5	0	96.8	80	120	0	0		
Lead	4.776	1.0	5	0	95.5	80	120	0	0		
Zinc	5.243	1.0	5	0.445	96	80	120	0	0		

Sample ID	ILCSDA1 9/14/09	SampType:	LCSD	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494382
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4.463	1.0	5	0	89.3	80	120	4.771	6.67	20	
Cadmium	4.6	1.0	5	0	92	80	120	4.839	5.06	20	

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
--	---	---

CLIENT: Weston Solutions
Work Order: 09090376
Project: 20405.016.001.0739.00, M&H Zinc Fund Lead RV

ANALYTICAL QC SUMMARY REPORT

BatchID: 44507

Sample ID	ILCSDA1 9/14/09	SampType:	LCSD	TestCode:	M_AIR	Units:	µg/filter	Prep Date:	9/14/2009	Run ID:	ICPMS-2_090914A	
Client ID:	ZZZZZ	Batch ID:	44507	TestNo:	N7300			Analysis Date:	9/14/2009	SeqNo:	1494382	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		4.516	1.0	5	0	90.3	80	120	4.776	5.60	20	
Zinc		4.858	1.0	5	0.445	88.3	80	120	5.243	7.62	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation:

2242 W. Harrison Suite 200, Chicago, Illinois 60612

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STATAnalysis.com

**PCM ASBESTOS ANALYSIS COUNT SHEET**

Page: _____ of _____

TURN-AROUND TIME (Hours):

4 ☐4-8 ☐12 ☐24 ☐48 ☐72 ☐Date Due: Time Due:

Client: _____

Street: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Project Name: _____

Project Number: _____

Project Location: _____

Project Manager: _____

Office Use Only:

COC No.: 285762

STAT Client No.: _____

Samples Acceptable: Yes ☒ No ☐

Comments: _____

Analyzed By: JA

Date/Time: 9/15/09

QC By: JP

Date/Time: 9/15/09

Laboratory Sample Number	Client Sample Number	Fibers/ Fields	Fibers per mm ²	Comments
285762-001		4/100		
002		4/100		
003		6/100		
004		3/100		
005		6/100		
006		10/100		

Comments: _____

Client Contact Information:

Attention: _____

Phone Number: _____

Pager: _____

Fax (1): _____

Fax (2): _____

Faxed Final Reports

Office Use Only:

Yes

No

Signed/Date/Time

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